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This listing of claims will replace all prior versions, and listings, of claims in the application:

1.(Currently Amended): A method for noise management in a mixed signal processor integrated circuit having a digital processing section and an analog section, comprising the steps of:

clocking the digital processing section at a first clock rate; and

inhibiting clocking of the digital processing section during at least a portion of a data conversion operation by the analog section to prevent noise from clock transitions in the digital processing section from being injected into the analog section during the at least a portion of [[th]] the data conversion operation.

2.(Previously Presented): The method of Claim 1, wherein the step of inhibiting is initiated in response to a request signal from the analog section prior to performing the at least a portion of the dat a conversion operation.

3. (Previously Presented): The method of Claim 3, wherein the analog section initiates the data conversion operation in response to a request for a data conversion operation generated by the digital processing section.

4. (Previously Presented): The method of Claim 1, wherein the step of inhibiting is operable to decrease the clock rate of the digital processing section.

5. (Previously Presented): The method of Claim 4, wherein the data conversion operation occurs within less than a cycle of the clock operating the digital processing section.

6. (Previously Presented): The method of Claim 1, wherein the step of inhibiting operates during substantially the entire data conversion operation.

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7. (Previously Presented): The method of Claim 1, wherein the step of inhibiting is in response to a signal generated by the digital processing section.

8. (Previously Presented): The method of Claim 7, wherein the step of inhibiting requires a handshake between the digital processing section and the analog processing section, such that there will be a signal required from the analog processing section to the digital processing section prior to the step of inhibiting being operable.

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